

FIGURE 1

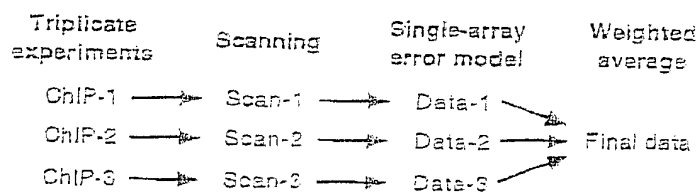


FIGURE 2

# Genome-wide Monitoring of Protein-DNA interactions

Interests:  
RNA Polymerase II  
SRB/Mediator Complex  
General Transcription Factors  
SWI/SNF Complex  
SAGA  
  
ORC complex  
DNA Polymerase

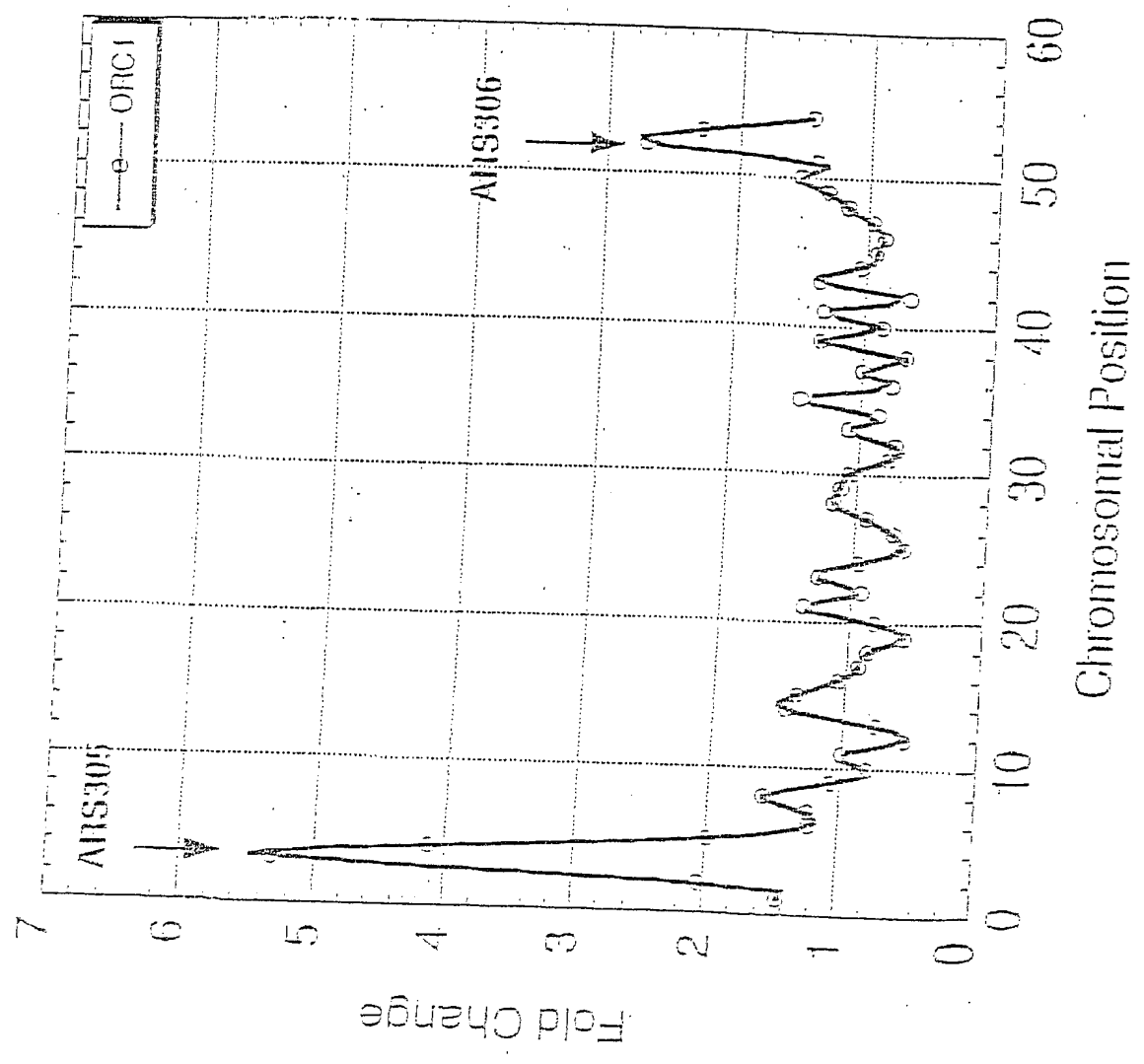


FIGURE 3

# Binding of ORC1 to Chromosome III

Docket No.: 0399.1212-005  
 Title: Genome-Wide Location and Function...  
 Inventors: John Wyrick, *et al.*

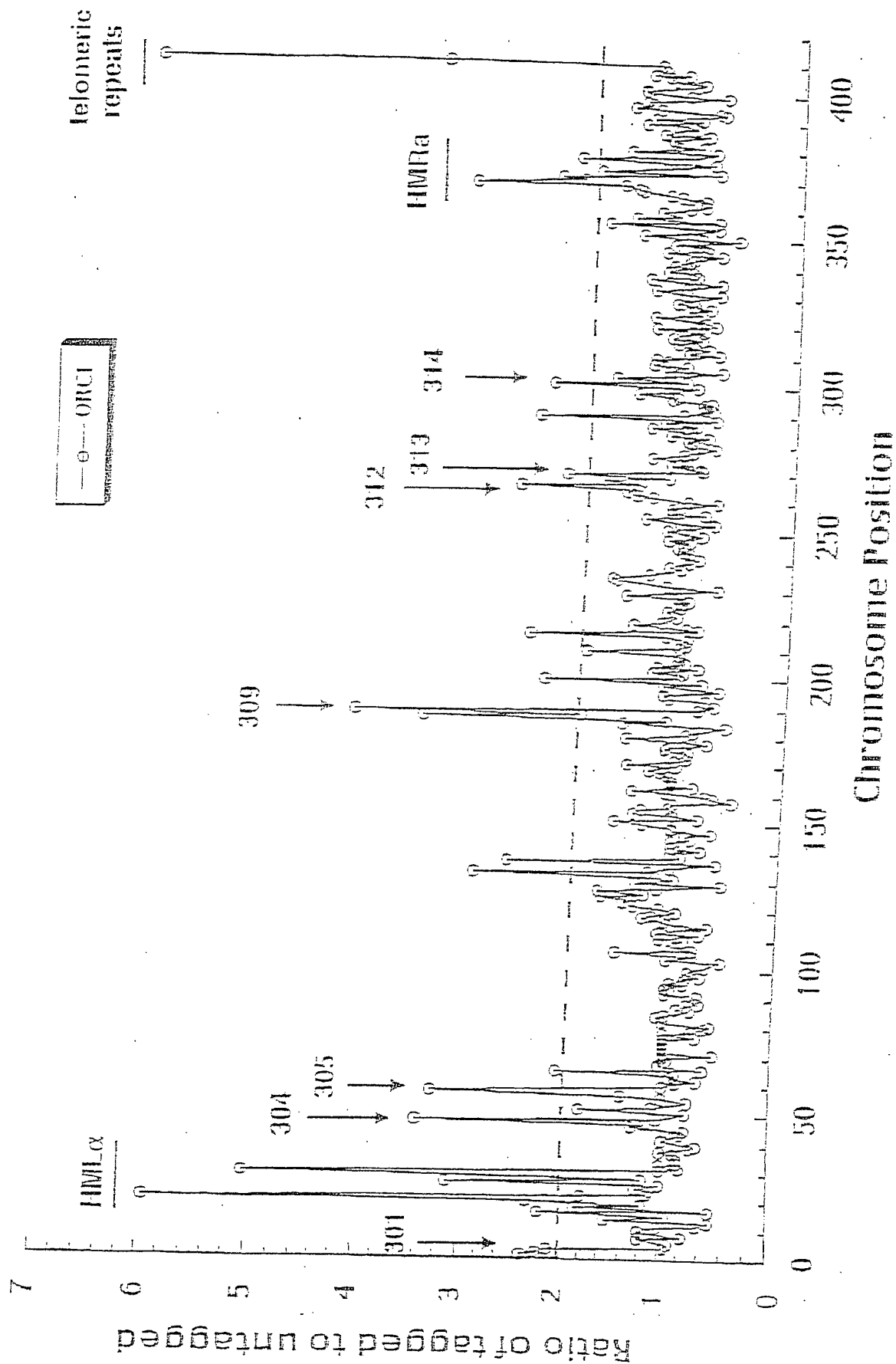


FIGURE 4

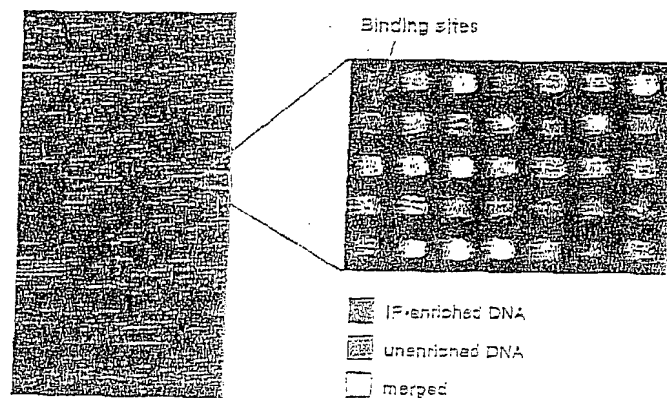


FIGURE 5A

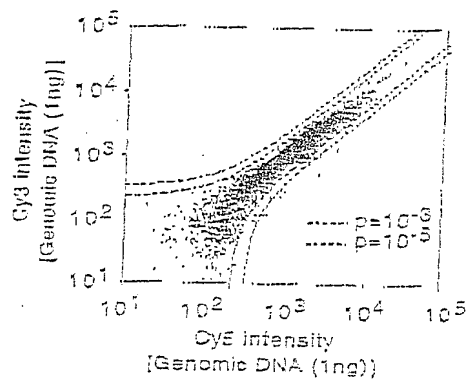


FIGURE 5B

FIGURE 6A

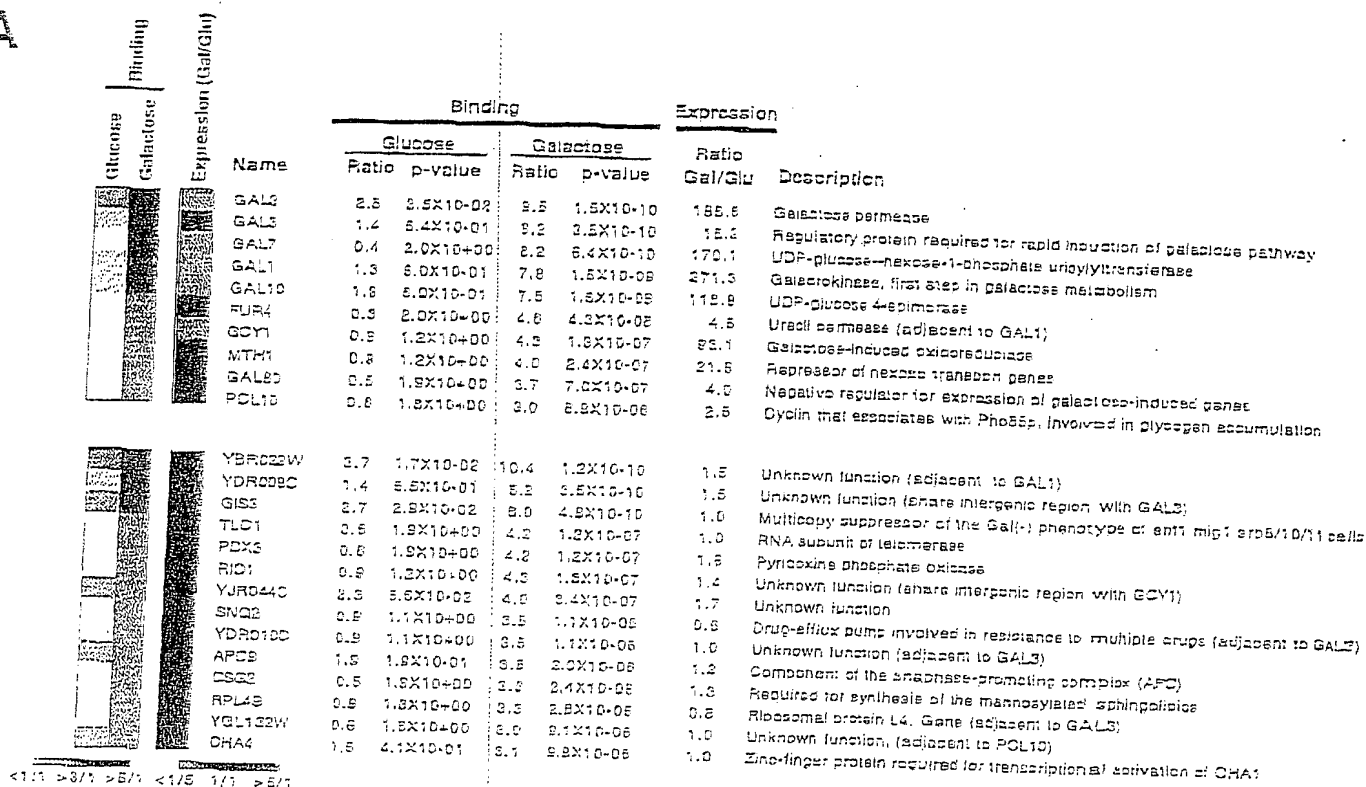


FIGURE 6B

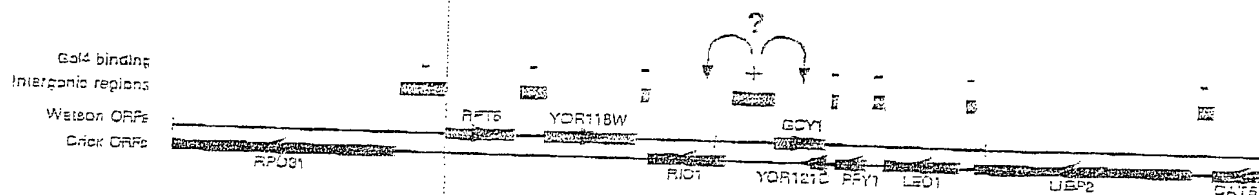


FIGURE 6C

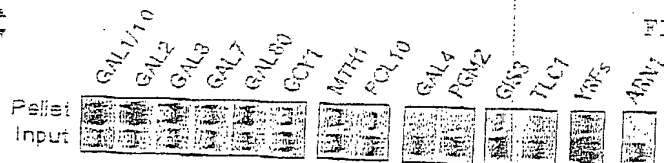


FIGURE 6D

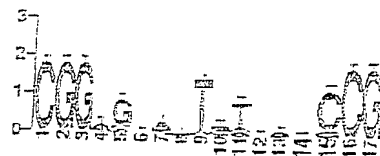


FIGURE 6E

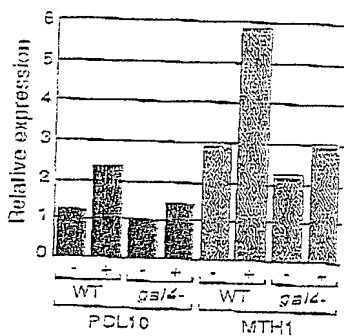
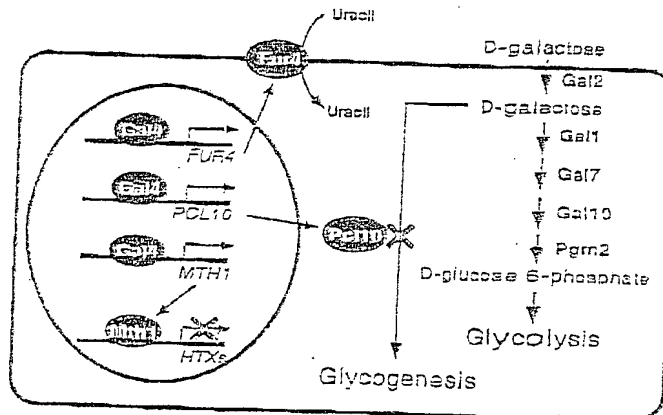


FIGURE 6F



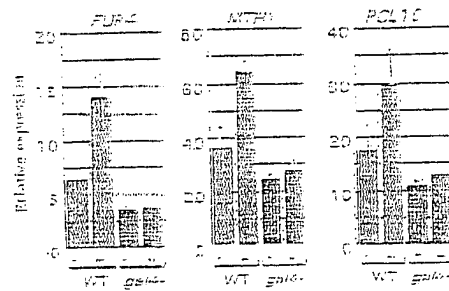
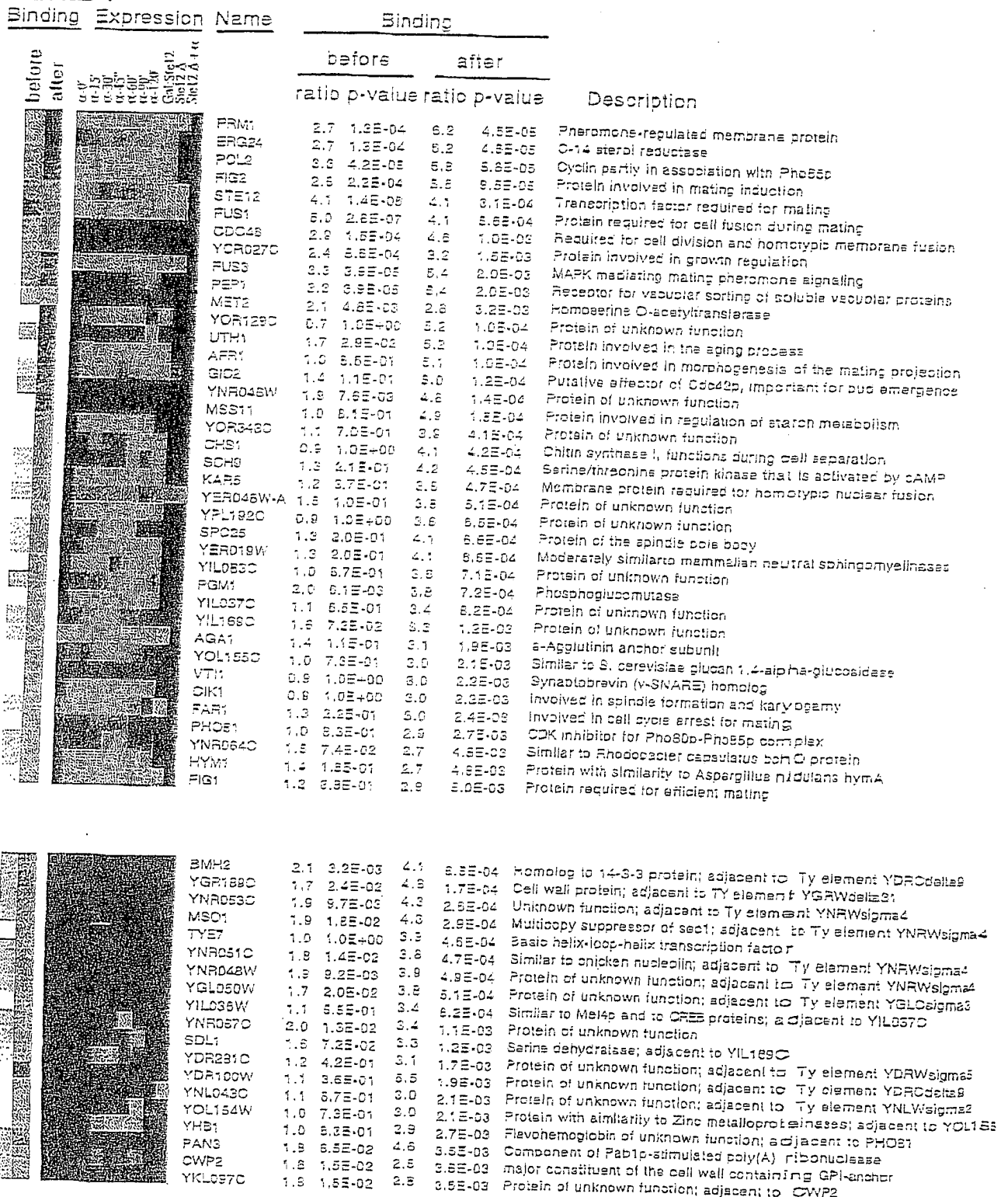


FIGURE 6G

FIGURE 7





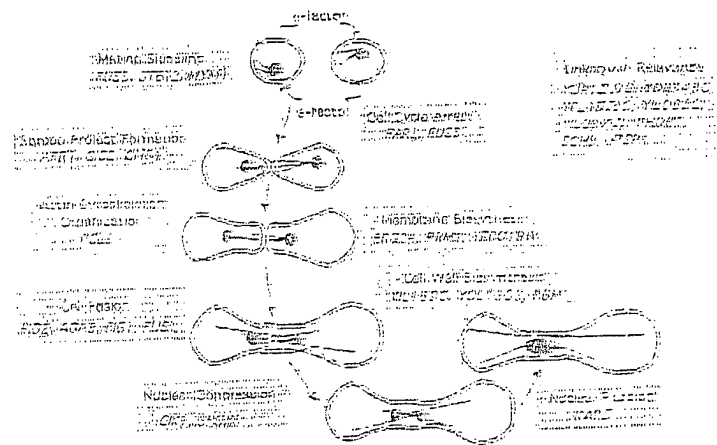


FIGURE 8

FIGURE 9A

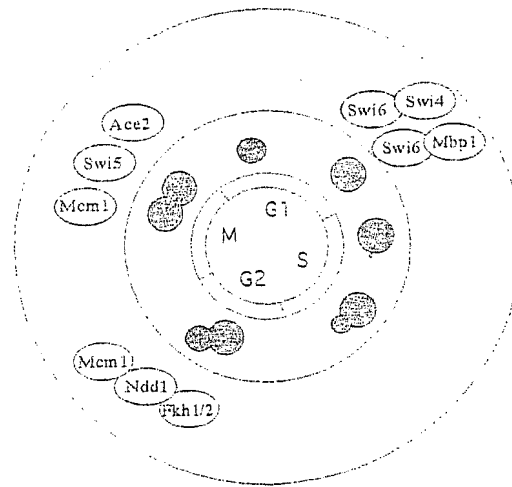


FIGURE 9B

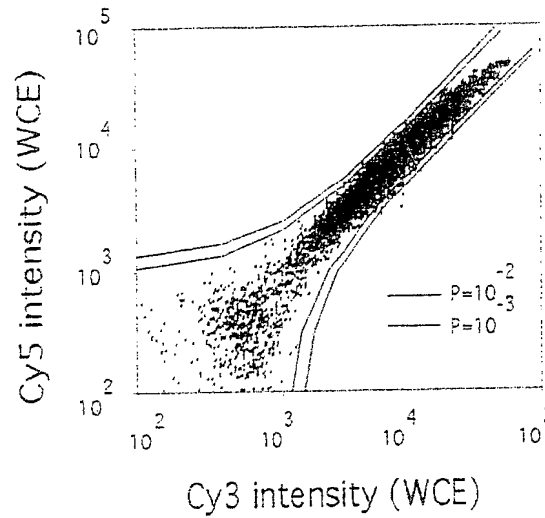


FIGURE 9C

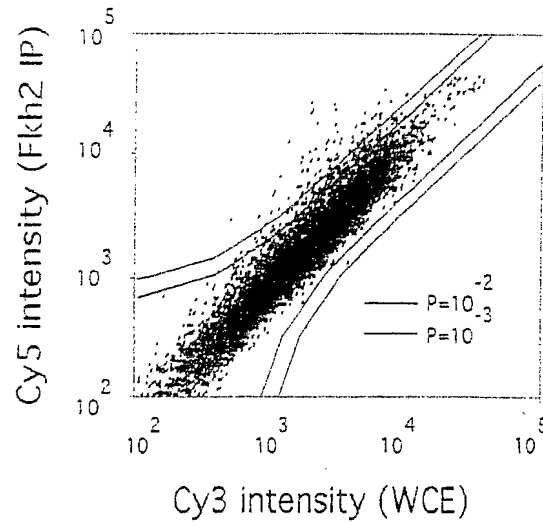


Figure 10A is a heatmap showing the expression levels of various genes across different cell cycle phases. The genes are listed on the left, and the cell cycle phases are listed on the top. The color scale ranges from 0 (black) to 119 (white).

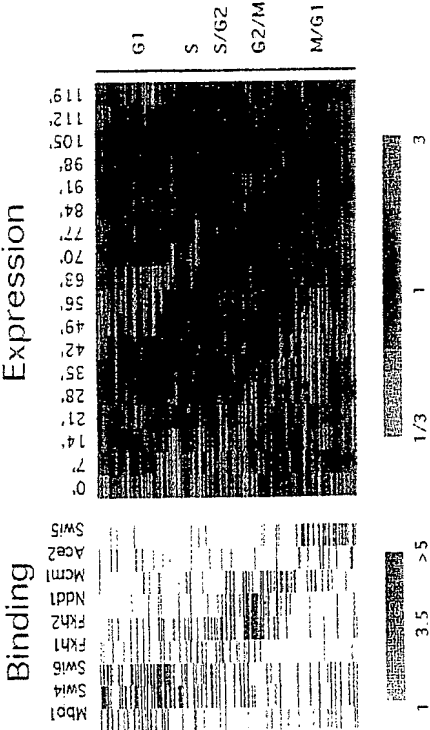


FIGURE 10A

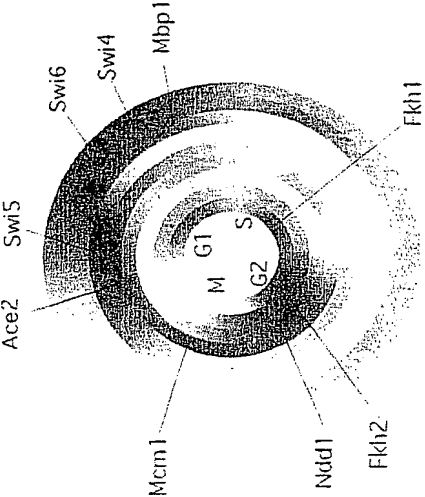


FIGURE 10B

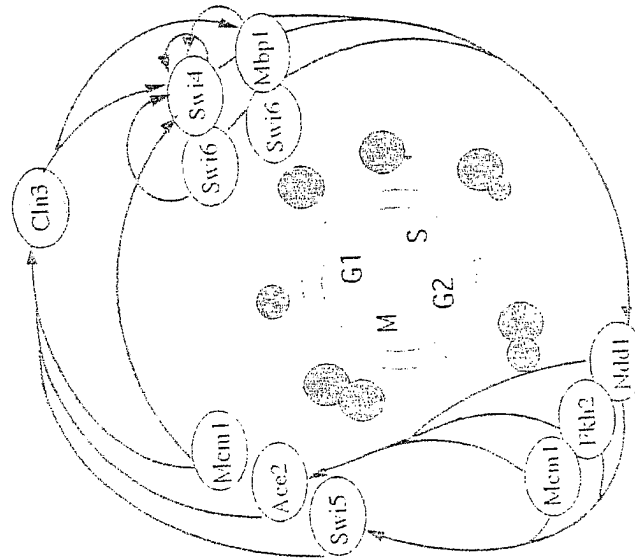


FIGURE 11B

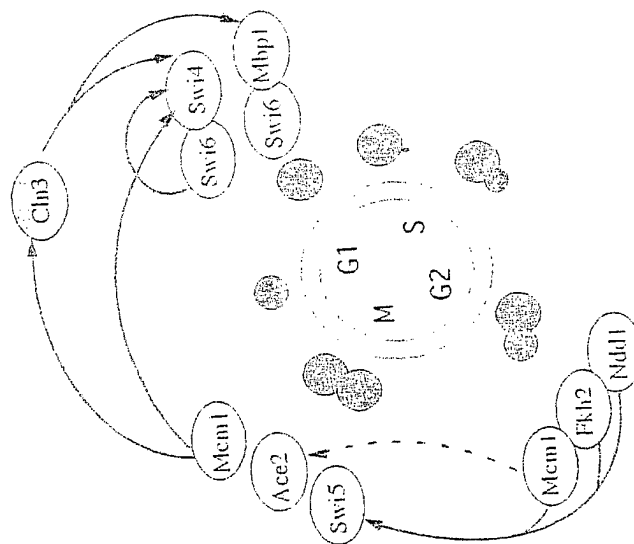
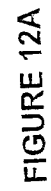
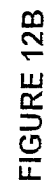


FIGURE 11A

Figure 11A and 11B are schematic diagrams of the cell cycle regulatory network. The cell cycle is represented by a central circle with phases G1, S, G2, and M. The regulatory network consists of several proteins: Cln3, Swi4, Swi6, Mbp1, Mcm1, Ace2, Swi5, Fkh2, and Ndd1. Arrows indicate activation, and T-bars indicate inhibition. Cln3 activates Swi4 and Swi6. Swi4 and Swi6 activate Mbp1. Mbp1 activates Swi4 and Swi6. Swi4 and Swi6 activate Mcm1. Mcm1 activates Ace2. Ace2 activates Swi5. Swi5 activates Fkh2. Fkh2 activates Ndd1. Ndd1 activates Cln3. Swi5 also inhibits Swi4 and Swi6 via T-bars. In Figure 11A, there is an additional dashed arrow from Swi5 to Ace2.





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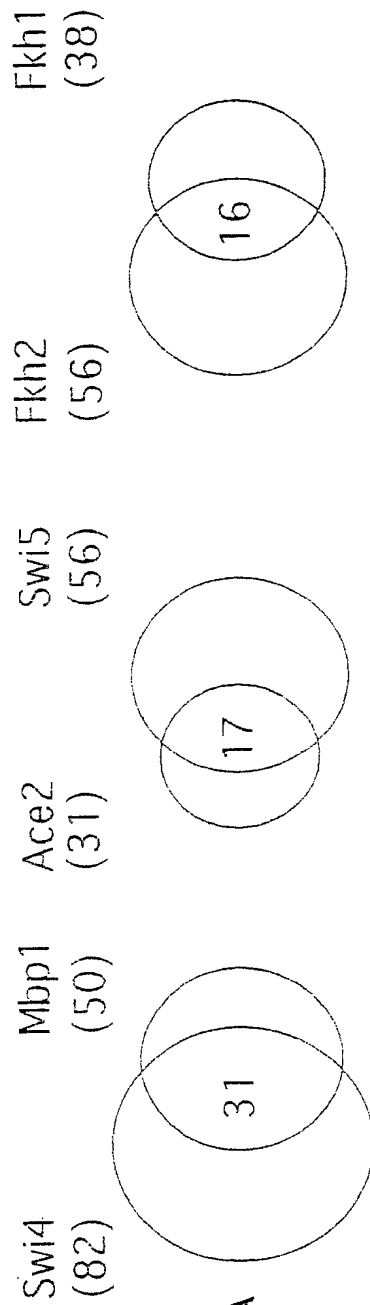


FIGURE 14A

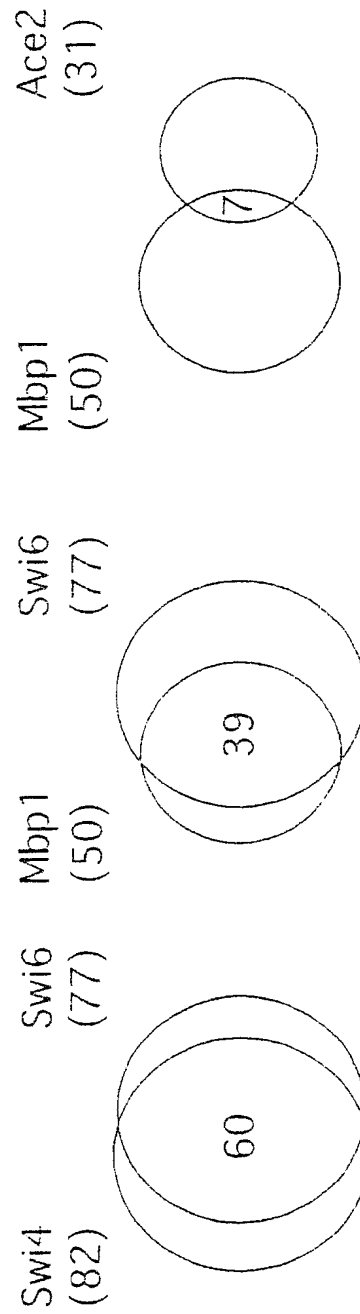


FIGURE 14C

FIGURE 14B